

MODIS Team Meeting Minutes

Minutes of the MODIS Team Meeting held on Tuesday May 31, 1994.

Action Items:

75. Determine if the four electronic module boxes can be individually thermal tested in air, or must the thermal testing be done in a vacuum. Assigned to Silva 10/26/93. Due 11/9/93
86. Complete CDR Action Items. Assigned to ALL 3/15/94. Due 4/7/94 CLOSED 5/31/94
87. Review detailed and summary level schedules for reasonableness. Also identify any additional detailed schedule events which should appear in the monthly summary level schedule. Assigned to Davis, Safren, Waluschka, Ferragut, Daelemans, and Martineau 5/10/94. Due 5/31/94
88. Obtain drawings from SBRC for CDR Actions 65 & 68. Assigned to Ken Anderson 5/19/94. Due 6/15/94

The following items were distributed:

- 1) SBRC Memos submission from week #132
- 2) Minutes of the previous team meeting

Attendees:

✓ Richard Weber	Bruce Guenther	✓ Larissa Graziani
✓ John Bauernschub	✓ George Daelemans	✓ Bob Martineau
Rosemary Vail	John Barker	✓ Bob Silva
Lisa Shears	Patricia Weir	✓ Robert Kiwak
✓ Mike Roberto	✓ Mitch Davis	Harvey Safren
✓ Nelson Ferragut	Jack Ellis	✓ Ed Knight
✓ Gene Waluschka	✓ Ken Anderson	Harry Montgomery
✓ Bill Barnes	✓ Rick Sabatino	Marvin Maxwell
✓ Les Thompson	✓ Cherie Congedo	Bill Mocarsky
		Rick Mills

MODIS Technical Weekly

May 31, 1994

This report also contains some information from David Jones' weekly.

Management

SBRC has announced that Lloyd Candell, present MODIS Program Manager, will be leaving MODIS to take over as Acting Manager of the Engineering Laboratory, effective June 15. Mr. Candell will continue in his other position as Assistant Manager of the Systems Division. We thank Lloyd for his outstanding service on MODIS and wish him well in his new job.

Aram Mika, SBRC Systems Division VP, has appointed Mr. Lee Tessmer as Program Manager of MODIS, effective June 15. Mr. Tessmer has extensive experience with instrument integration and test

programs, including Thematic Mapper. Until March, 1994, Mr. Tessmer was the Program Manager for Landsat instruments at SBRC.

Lee Tessmer and Lloyd Candell visited GSFC on June 2 and met with several project personnel.

Radiant Cooler

The radiant cooler short was caused by over length screws which caused a thermal short between the intermediate stage and the cold stage. Four of the screws out of a dozen caused contact between the stages during cool down. The coupling was mentioned by George Daelemans to be an estimated 120 mW. This problem was corrected.

David Jones mentioned in his report the resolution of a second problem with the radiant cooler. The electrical short mentioned in the MODIS report last week was an inadvertent grounding of the S/MWIR flex cable shielding where the cable passed through a slot in the FPA pedestal. This would have caused a ground loop and may have increased the noise level for this FPA. It also may have impacted thermal performance. This problem was corrected.

The radiant cooler is back the thermal vacuum chamber. Pump down is underway, and the cooler is expected to approach its cold temperature by Sunday, June 5 or Monday, June 6. George Daelemans is planning a trip to SBRC on Friday to review the radiant cooler thermal vacuum test procedures.

Detectors

Two waivers on readout step metal coverage were approved.

Additional data were obtained this week to support the conclusion that the cause of the PC detector cracks was handling during storage and transportation. An additional candidate PC array is in test now which may be available to replace the damaged array. A one or two week schedule impact is likely if the candidate array is acceptable.

The lack of chips for the S/MWIR PV detectors and LWIR PC detectors is a concern to Bob Martineau. If new lots are needed, they should be started now to avoid possible costly schedule impacts later in the program.

Beryllium Mainframe

Dye penetrant tests of the beryllium mainframe components were conducted this week. The report is that all went well, and that there are no suspected areas of discrepancies.

Brad Parker of the GSFC Materials Branch had concluded that Loral American Beryllium Company (LABC), Tallahassee, FL was well qualified to perform dye penetrant inspection of the mainframe components and no GSFC representative was required to witness the inspection. Brad documented his work in a memo to Bob Kiwak, dated May 25.

There was a telecon with SBRC on May 31 to determine the status of the fit check for the mainframe components. The fit check was rescheduled for the week of June 6. A few GSFC MODIS personnel are considering observing the disassembly of the mainframe after the fit check. This disassembly has been rescheduled for the week of June 13.

Mike Roberto June 3, 1994